

## Claim Amendments

Amend the claims as follows:

1. (currently amended) A method of measuring discrete incremental feedback from motion systems that create feedback pulses, the method comprising:
  - establishing a minimum feedback pulse sampling period;
  - providing a feedback receiving device and using it to accumulate accumulating feedback pulses during a sampling period;
  - upon the first accumulated feedback pulse after the minimum feedback pulse sampling period, ending the current sampling period and beginning the next sampling period; and
  - providing an event counting device and using it to determine determining the quantity of feedback pulses accumulated during the current sampling period.
2. (currently amended) The method of measuring discrete, incremental feedback from motion systems of claim 1 further comprising providing a clock device that produces a clock signal, and wherein the minimum feedback pulse sampling period is comprised of one or more periods of at the clock signal.
3. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein the period of the clock signal is less than the shortest period between feedback pulses.
4. (original) The method of measuring discrete, incremental feedback from motion systems of claim 3 wherein the period of the clock signal is less than or equal to one-tenth the shortest period between feedback pulses.

5. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein the minimum feedback pulse sampling period is a multiple of the clock signal period.
6. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein sampling periods can begin and end only concurrently with a clock signal.
7. (original) The method of measuring discrete, incremental feedback from motion systems of claim 6 further comprising calculating estimated motion velocity by dividing the number of feedback pulses accumulated during a sampling period by the time period of such sampling period.
8. (original) The method of measuring discrete, incremental feedback from motion systems of claim 7 wherein the time period of such sampling period is determined by counting the number of clock signals occurring during the sampling period.
9. (previously canceled)